JAN 15 2004 ST

Sheet 1

•

PTC/SB/08A (08-03)
Approved for use through 07/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 5

Complete if Known				
Application Number	10/718,174			
Filing Date .	November 19, 2003	_		
First Named Inventor	Matthew Vulich			
Art Unit	Unknown			
Examiner Name	Unknown			
Attorney Docket Number	03183249	7		

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SLM		<sup>US-</sup> 5,720,647	02/24/1998	Gottschald	
		<sup>US-</sup> 5,919,080	07/06/1999	Savoie	
		<sup>US-</sup> 6,012,965	01/11/2000	Savoie	·
		<sup>US-</sup> 6,379,215	04/30/2002	Mizuno et al	
		<sup>US-</sup> 6,464,559	10/15/2002	Roberts et al	
		US- 4,715,147	12/29/1987	Millay et al	
		<sup>US-</sup> 5,457,868	10/17/1995	Blaimschein	
		<sup>US-</sup> 5,498,200	03/12/1996	Wemer	
		<sup>US-</sup> 5,528,878	06/25/1996	Edwards et al	
		<sup>US-</sup> 5,727,987	3/17/1998	Gottschlad	
		<sup>US-</sup> 6,241,577	06/05/2001	Shibata	
		<sup>US-</sup> 6,481,095	11/19/2002	Mizuno	
		<sup>US-</sup> 4,115,924	09/26/1978	Kleinkopf	
		<sup>US-</sup> 6,315,642	11/13/2001	Videocoq et al	
		US- 6,298,277	10/02/2001	Videocoq	
		<sup>US-</sup> 5,882,247	03/16/1999	Longuet et al	
		US- 5,425,665	06/20/1995	Kennedy	
1		<sup>US-</sup> 6,618,952	09/16/2003	Andrews et al	
SLY		<sup>US-</sup> 6,428,401	08/06/2002	Carey et al	

		FORE	IGN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	Τ*
						-
	-					-

Examiner Signature		11. 12. 10)	Date Considered	114/04
	Shantisa	McDona	Considered	1117107

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the Individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

JAH 1 5 2004 25

Sheet

5

Substitute for form 1449/PTO

PTC/SB/08A (08-03) Approved for use through 07/31/2006, OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

perwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known				
Application Number	10/718,174			
Filing Date	November 19, 2003			
First Named Inventor	Matthew Vulich			
Art Unit	Unknown			
Examiner Name	Unknown			
Attorney Docket Number	03183249			

			U. S. PATENT		
Examiner Initials*	Cite No. 1	Document Number  Number-Kind Code <sup>2</sup> (f known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
3LM		<sup>US-</sup> 6,257,968	07/10/2001	Carey et al	
		<sup>US-</sup> 6,243,960	06/12/2001	Andrews	
		US- 6,203,409	03/20/2001	Kennedy et al.	
		<sup>US-</sup> 5.626,511	05/06/1997	Kennedy et al.	
		<sup>US-</sup> 5,462,475	10/31/1995	Kennedy	
		<sup>US-</sup> 6,056,633	05/02/2000	Sesena et al.	
		<sup>US-</sup> 6.478,658	11/12/2002	Logan	
		<sup>US-</sup> 6,375,554	04/23/2002	Murray et al	
		<sup>US-</sup> 6.080,044	06/27/2000	Lanham et al	
		<sup>US-</sup> 4,711,035	12/08/1987	Logan et al	
		<sup>US-</sup> 6,588,898	07/08/2003	lwai et.al	
		<sup>US-</sup> 6,547,642	04/15/2003	Hatano	
		<sup>US-</sup> 6,497,614	12/24/2002	Kobayashi et al	
		us- 6,428,301	08/06/2002	Fukuma et al	
		US- 6,350,190	02/26/2002	Matsuyama	
		<sup>US-</sup> 6,336,057	01/01/2002	Obayashi	
T		<sup>US-</sup> 6,328,628	12/11/2001	Mizuno et al	
		<sup>US-</sup> 6,325,700	12/04/2001	Mizuno et al	
SLM		<sup>US-</sup> 6,290,569	09/18/2001	Mizuno et al	

	FOREI	GN PATENT DOCU	MENTS		
Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
	Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (If known)	MM-DD-YYYY		Or Relevant Figures Appear	T*
					-
			•		
					┢
		No. Foreign Patent Document	Cite Foreign Patent Document Publication Date MM-DD-YYYY	No. Date Applicant of Cited Document	Cite Foreign Patent Document Publication Name of Patentee or No. Name of Patentee or Applicant of Cited Document MM-DD-YYYY Applicant of Cited Document No. Or Relevant Fourse Appear

Examiner Shoutes Ne Boral Date Considered 114104

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the Individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (08-03)

Approved for use through 07/31/2005, OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

he Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet 3

از

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 5

Coi	Complete if Known				
Application Number	10/718,175				
Filing Date	November 19, 2003				
First Named Inventor	Matthew Vulich				
Art Unit	Unknown				
Examiner Name	Unknown				
Attorney Docket Number	03183249				

			U. S. PATEN	T DOCUMENTS	
Examiner Initiats*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2</sup> (F known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
3LM		US- 6,283,826	09/04/2001	Mizuno	
1	ļ	<sup>US-</sup> 6,263,583	07/24/2001	Mizuno et al.	
		<sup>US-</sup> 6,261,150	07/17/2001	Mizuno et al.	
1		<sup>US-</sup> 6,250,989	06/26/2001	Mizuno	
		<sup>US-</sup> 6,241,577	06/05/2001	Shibata	
		<sup>US-</sup> 6,222,624	04/24/2001	Yonezawa	
		us- 6,220,929	04/24/2001	Mizuno	
		us- 6,220,927	04/24/2001	Mizuno et al.	
		<sup>US-</sup> 6,220,926	04/24/2001	Mizuno	
		<sup>US-</sup> 6,159,072	12/12/2000	Shibata	
		<sup>US-</sup> 6,123,604	09/26/2000	Mizuno et al.	
		<sup>US-</sup> 6,099,383	08/08/2000	Mizuno et al.	
		<sup>US-</sup> 6,095,896	08/01/2000	Kobayashi	
		<sup>US-</sup> 6.089,957	07/18/2000	Shibata	
		US- 6,074,280	06/13/2000	Mizuno et al	
		<sup>US-</sup> 6,059,635	05/09/2000	Mizuno	
		<sup>US-</sup> 6,050,877	04/18/2000	Shibata et al.	
		<sup>US-</sup> 6,048,258	04/11/2000	Shibata	
SW		<sup>US-</sup> 6,045,432	04/04/2000	Shibata	

	FORE	IGN PATENT DOCU	MENTS		
Cite No.1	Foreign Patent Oocument	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
	Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (# known)	MM-DD-YYYY		Or Relevant Figures Appear	7
			· · · · · · · · · · · · · · · · · · ·		
					<b> </b>
					_
					_
	·····				1
		No. 1 Foreign Patent Occument	Cite No.1 Publication Publication  Oate  MM-DD-YYYY	No.1 Date Applicant of Cited Document	Cite Foreign Patent Document Publication Name of Patentee or No.1 Date Applicant of Cited Document Where Relevant Passages  MM-DD-YYYY MM-DD-YYYY MM-DD-YYYY MM-DD-YYYY MM-DD-YYYY MM-DD-YYYY

Examiner Signature	Shantese	Lechonald	Date Considered	11/4/04
				- C- C-

"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Tradermark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. TAX Brostitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

ţ

Sheet 4

(Use as many sheets as necessary)

<u>of</u> 5

Complete if Known				
Application Number	10/718,175			
Filing Date	November 19, 2003			
First Named Inventor	Matthew Vulich			
Art Unit	Unknown			
Examiner Name	Unknown			
Attempts Dealest Mumber	02102240			

			U. S. PATENT	DOCUMENTS		
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
SUH.		<sup>US-</sup> 5,890,949	04/06/1999	Shibata		
1		<sup>US-</sup> 5,803,793	09/08/1998	Mizuno et al.		
		<sup>US-</sup> 5,716,256	02/10/1998	Mizuno et al.		
		<sup>US-</sup> 6,538,573	03/25/2003	Mizuno		
		<sup>US-</sup> 6,606,154	08/12/2003	Oda		
		<sup>US-</sup> 6,621,568	09/16/2003	Yonezawa		
		<sup>US-</sup> 6,379,215	04/30/2002	Mizuno et al.		
		US- 6,427,094	07/30/2002	Mizuno et al.		
		<sup>US-</sup> 6,427,350	08/06/2002	Asaoka et al.		
		<sup>US-</sup> 6,409,574	06/25/2002	Shibata		
SUN		US- 2001/000383	06/07/2001	Roberts et al		
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-	·   · · · · · · · · · · · · · · · · · ·			

Examiner	FOREIGN PATENT DOCUMENTS  Examiner   Cite   Foreign Patent Document   Publication   Name of Patentee or   Pages Columns Lines								
Initials*	No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	l			
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	WW-DD-AAAA			T			
				<u> </u>					
		· · · · · · · · · · · · · · · · · · ·				L			
					·	L			
						L			
						L			

Examiner Signature	Shouter	McDenald	Date Considered	11/04

"EXAMINER: tritial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTC/SB/08B (08-03)
Approved for use through 07/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERC Derwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control numbe

Substitute for form 1449/PTO				Complete If Known		
00000				Application Number	10/718,175	
INF	ORMATION	DIS	CLOSURE	Filing Date	November 19, 2003	
STA	STATEMENT BY APPLICANT			First Named Inventor	Matthew Vulich	
	Alco oo manu aha			Art Unit	Unknown	
(Use as many sheets as necessary)			ecessary)	Examiner Name	Unknown	
Sheet	5	of	5	Attorney Docket Number	03183249	

NON PATENT LITERATURE DOCUMENTS					
Examiner ' Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²		
SZH		Going Digital in the Laboratory by William Underwood, ABOM, Copyright 2002, First Vision Media Group, Inc.			
·					
_					
	<u> </u>				

Examiner Signature Shouters McDonale	Date Considered	u14/04
---	--------------------	--------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

1 This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.